

## HEXAGON

### PURPOSE

Draws a hexagon.

### DESCRIPTION

The 2 pairs of coordinates define the (x,y) values for a vertex and the diametrically opposite vertex (respectively) of the hexagon.

### SYNTAX

HEXAGON <x1> <y1> <x2> <y2>

where <x1> is a number or parameter in the range 0 to 100 that specifies the x coordinate for the entry point of the hexagon;

<y1> is a number or parameter in the range 0 to 100 that specifies the y coordinate for the entry point of the hexagon;

<x2> is a number or parameter in the range 0 to 100 that specifies the x coordinate for the diametrically opposite vertex of the hexagon;

and <y2> is a number or parameter in the range 0 to 100 that specifies the y coordinate for the diametrically opposite vertex of the hexagon.

### EXAMPLES

HEXAGON 50 50 60 60

HEXAGON 50 50 60 50

HEXAGON 30 70 40 70

### NOTE

The line style (i.e., solid, dash), color, and thickness of the hexagon are controlled by the LINE, LINE COLOR, and LINE THICKNESS commands. The REGION FILL command can be used to generate solid filled hexagons (hexagons can not currently be filled with hatch patterns).

### DEFAULT

None

### SYNONYMS

None

### RELATED COMMANDS

POINT	=	Draws a point.
ARROW	=	Draws an arrow.
TRIANGLE	=	Draws a triangle.
BOX	=	Draws a box.
HEXAGON	=	Draws a hexagon.
CIRCLE	=	Draws a circle.
SEMI-CIRCLE	=	Draws a semi-circle.
ARC	=	Draws an arc.
ELLIPSE	=	Draws an ellipse.
OVAL	=	Draws an oval.
DIAMOND	=	Draws a diamond.
DRAW	=	Draws a line.
MOVE	=	Moves to a point.
LINE	=	Sets the line type for figures and plot lines.
LINE THICKNESS	=	Sets the line thickness for figures and plot lines.
LINE COLOR	=	Sets the line colors for figures and plot lines.
CROSS-HAIR	=	Activates and reads the cross-hair.
TEXT	=	Writes a text string.

### APPLICATIONS

Presentation graphics

### IMPLEMENTATION DATE

Pre-1987

## PROGRAM

```
HEXAGON 10 10 20 20
HEXAGON 60 10 80 30
.
THICKNESS 0.7
HEXAGON 10 30 20 40
THICKNESS 0.3
.
LINE DASH
HEXAGON 10 50 20 60
LINE SOLID
.
LINE COLOR G50
HEXAGON 10 80 20 90
LINE COLOR BLACK
.
THICKNESS 0.1
REGION FILL ON
HEXAGON 30 30 35 35
REGION FILL COLOR G50
HEXAGON 40 40 60 60
.
REGION FILL COLOR BLACK
REGION PATTERN DID2
HEXAGON 60 65 80 85
```

